## THE CLAIMS

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1. An awl apparatus for penetrating bone, comprising:

a shaft having a proximal end and a distal end, with a cutting edge formed on the distal end;

an outer sleeve having a wall, a proximal end, and a distal end, wherein the outer sleeve surrounds at least a portion of the shaft, and is movable with respect to the shaft; and a biasing member configured to bias the shaft to an initial position within the outer sleeve;

wherein the shaft is movable in the axial direction with respect to the outer sleeve by a predetermined distance to limit the depth of penetration of the cutting tip into a bone;

and wherein the shaft can be rotated within the outer sleeve to aid in penetrating a bone; and

wherein the distal end of the outer sleeve is conically tapered for releasable attachment to a bone plate.

- 2. The awl apparatus of claim 1, wherein the elastic member is a coil spring.
- 3. The awl apparatus of claim 1, wherein the elastic member is a coil spring surrounding the shaft.
- 4. The awl apparatus of claim 1, wherein the distal end of the outer sleeve has external threads for releasable attachment to a bone plate.
- 5. The awl apparatus of claim 1, wherein the initial position of the shaft is such that the cutting edge of the shaft is surrounded by the outer sleeve.
- 6. The awl apparatus of claim 1, wherein there is at least one slot in the wall of the outer sleeve.
- 7. The awl apparatus of claim 1, further comprising a shoulder for limiting depth of penetration into the bone by the cutting edge.
- 8. The awl apparatus of claim 1, further comprising a handle attached to the end of the shaft.
  - 9. An awl apparatus for penetrating bone, comprising:

a shaft having a proximal end and a distal end, with a cutting edge formed on the distal end;

an outer sleeve having a wall, a proximal end, and a distal end, wherein the outer sleeve surrounds at least a portion of the shaft, and is movable with respect to the shaft; and

a biasing member configured to bias the shaft to an initial position within the outer sleeve;

wherein the shaft is movable in the axial direction with respect to the outer sleeve by a predetermined distance to limit the depth of penetration of the cutting tip into a bone;

and wherein the shaft can be rotated within the outer sleeve to aid in penetrating a bone; and

wherein there is at least one slot in the wall of the outer sleeve.

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- 10. The awl apparatus of claim 9, wherein the elastic member is a coil spring.
- 11. The awl apparatus of claim 9, wherein the elastic member is a coil spring surrounding the shaft.
  - 12. The awl apparatus of claim 9, wherein the distal end of the outer sleeve has external threads for releasable attachment to a bone plate.
  - 13. The awl apparatus of claim 9, wherein the initial position of the shaft is such that the cutting edge of the shaft is surrounded by the outer sleeve.
  - 14. The awl apparatus of claim 9, wherein the distal end of the outer sleeve is conically tapered for releasable attachment to a bone plate.
  - 15. The awl apparatus of claim 9, further comprising a shoulder for limiting depth of penetration into the bone by the cutting edge.
  - 16. The awl apparatus of claim 9, further comprising a handle attached to the end of the shaft.
  - 17. A procedure for installing a bone plate on a bone surface, comprising the steps of:
    - (a) contacting the bone plate to the bone surface;
  - (b) contacting an awl apparatus to a first fastener hole in a bone plate, the awl apparatus comprising a shaft having a cutting edge formed on a distal end, an outer sleeve within which the shaft can be rotated and is axially movable, and a biasing member configured to bias the shaft to an initial position within the outer sleeve;
  - (c) creating a hole in the bone by applying axial pressure to the distal end of the shaft and rotating the shaft;
  - (d) removing the awl apparatus from the bone plate while holding the bone plate in contact with the bone surface; and
  - (e) installing a bone anchor through the first fastener hole into the hole created in step (c).

- 18. The procedure of claim 17, further comprising the step of attaching the awl apparatus to a second fastener hole in the bone plate of step (a) and repeating steps (b) through (e) for the second fastener hole.
  - 19. The procedure of claim 17, wherein step (b) is completed prior to step (a).
- 20. The procedure of claim 11, wherein the awl is releasably attached to the bone plate by threading onto the bone plate.

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